



The Road from a Quick Reaction Capability to a Program of Record



Presented By:
PM DoD Biometrics
and
TRADOC Capability Manager – Biometrics and Forensics
26 January 2011



| Report Documentation Page | | | <i>Form Approved OMB No. 0704-0188</i> | |
|---|------------------------------------|---|---|----------------------------------|
| <p>Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.</p> | | | | |
| 1. REPORT DATE JAN 2011 | 2. REPORT TYPE | 3. DATES COVERED 00-00-2011 to 00-00-2011 | | |
| 4. TITLE AND SUBTITLE The Road from a Quick Reaction Capability to a Program of Record | | | 5a. CONTRACT NUMBER | |
| | | | 5b. GRANT NUMBER | |
| | | | 5c. PROGRAM ELEMENT NUMBER | |
| 6. AUTHOR(S) | | | 5d. PROJECT NUMBER | |
| | | | 5e. TASK NUMBER | |
| | | | 5f. WORK UNIT NUMBER | |
| 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Defense Research and Engineering, Biometrics Identity Management Agency (BIMA), Washington, DC, 20301 | | | 8. PERFORMING ORGANIZATION REPORT NUMBER | |
| 9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) | | | 10. SPONSOR/MONITOR'S ACRONYM(S) | |
| | | | 11. SPONSOR/MONITOR'S REPORT NUMBER(S) | |
| 12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited | | | | |
| 13. SUPPLEMENTARY NOTES presented at the 2011 DoD Biometrics Collaboration Forum held 25-27 Jan. | | | | |
| 14. ABSTRACT | | | | |
| 15. SUBJECT TERMS | | | | |
| 16. SECURITY CLASSIFICATION OF: | | | 17. LIMITATION OF ABSTRACT Same as Report (SAR) | 18. NUMBER OF PAGES 43 |
| a. REPORT unclassified | b. ABSTRACT unclassified | c. THIS PAGE unclassified | | |

Introduction

COL Ted Jennings
Project Manager
DoD Biometrics

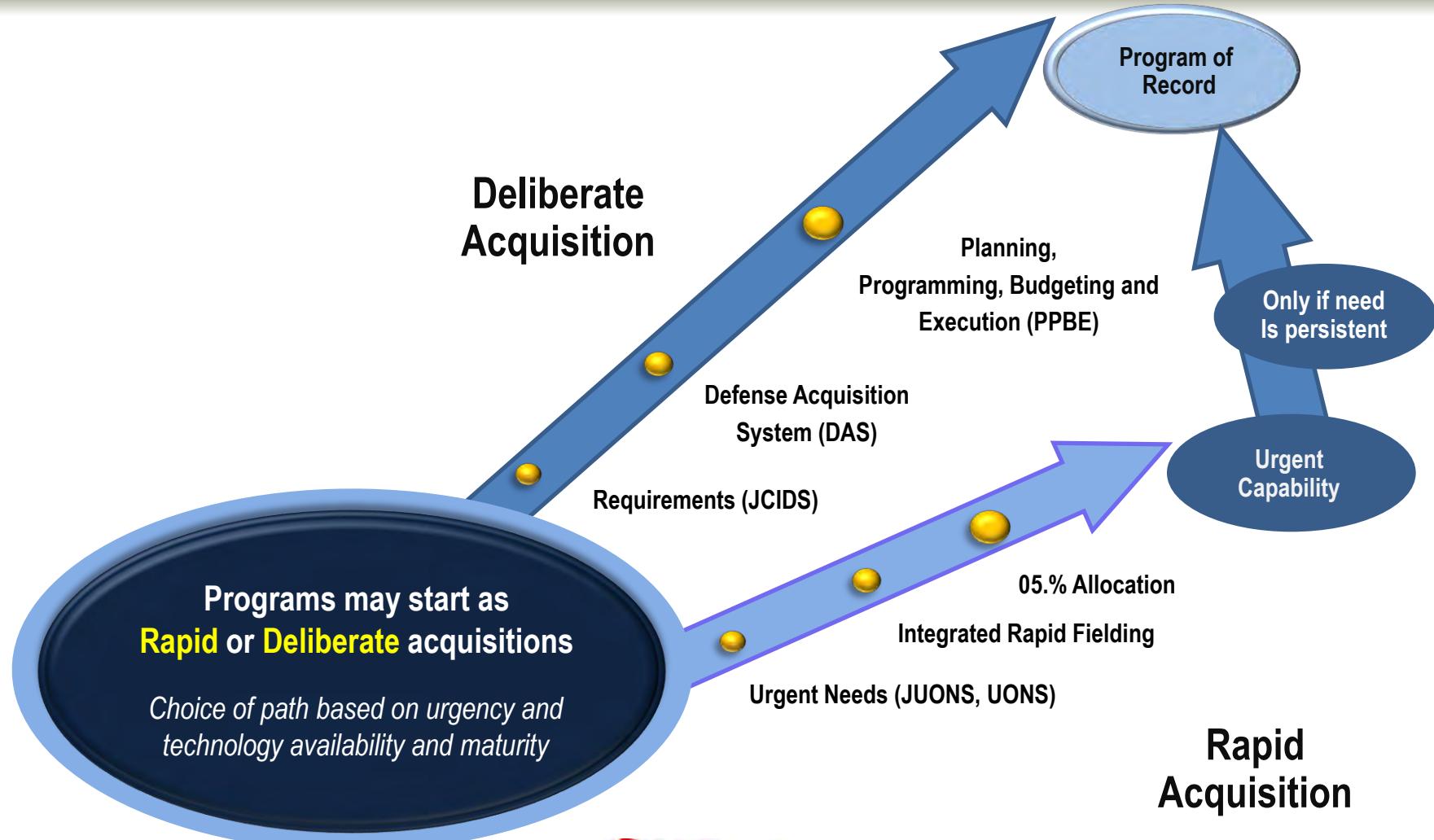
Theodore.Jennings@us.army.mil



Agenda

- Introduction
- Force Modernization Proponent
- Product Areas
 - Biometrics Enabling Capability
 - Tactical Biometrics Systems
- Architecture
- Q&A

Rapid vs. Deliberate Acquisition



Force Modernization Proponent

COL Fred Washington
Director, TCM-BF
TRADOC
Fred.Wash@us.army.mil

Mission

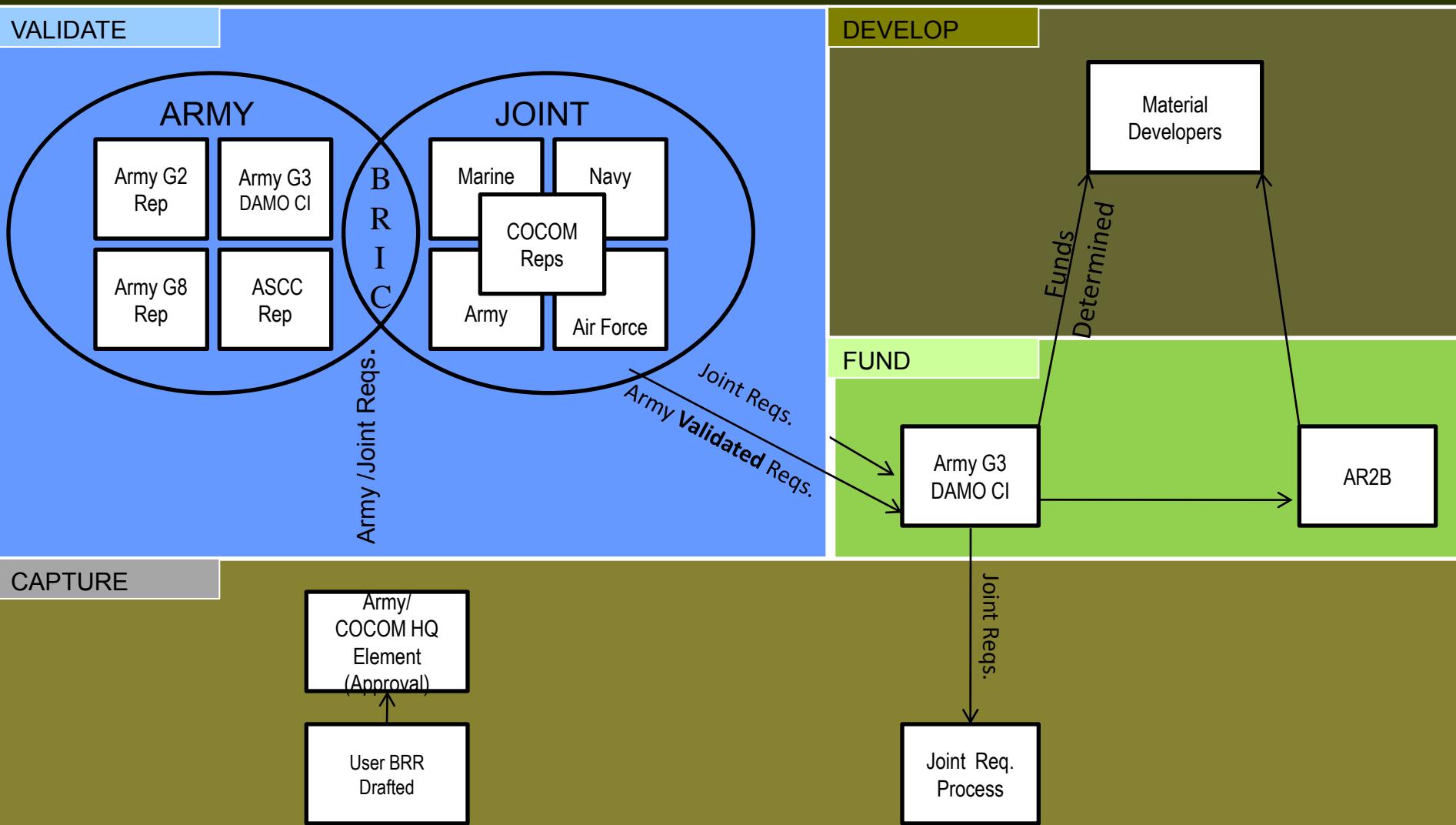
- The USAICoE responsibilities as the Force Modernization Proponent is:
 - 1) Execute force management responsibilities for biometrics that include:
 - requirements definition
 - force development
 - combat developments
 - doctrine developments
 - training developments
 - materiel developments
 - leadership development and education
 - personnel developments
 - facilities developments
 - 2) Ensure DOTLMPF actions are coordinated with Army Commands, Army Service Component Command, Forward Operating/Operations Areas, the HQDA Staff, and others, as required.

“The Army Force Modernization Proponent System is the process of managing change within the Army.”

- Per AR 5-22 dtd 6 February 2009



BRIC Process



Biometrics Enabling Capability

Mr. Greg Fritz
Product Director, BEC
PM DoD Biometrics
Greg.Fritz@us.army.mil

DoD ABIS Facts

- DoD online 30 Jan 2009
- Stores and matches fingerprint, iris, face, and palm modalities
- 3,800+ transactions per day; rated for 8,000
- 4.2M records rated capacity
- Greater operational capability
 - Single or multi-modal processing
 - Expandable to process additional modalities
 - 95% lights-out matches
 - Latent to latent searches
 - 120k latent fingerprints
 - 8600 latent matches; 3400 latent to latent matches
 - Latent palm print capabilities
- During data migration from ABIS to NG-ABIS, observed 10% new matches the previous system missed



Operational Capabilities

FY 2011

| Period | Submissions |
|---------|-------------|
| FY 2011 | 234,985 |
| To-Date | 4,987,023 |

| Modalities in Submissions | FY 2011 |
|---------------------------|---------|
| Finger | 226,017 |
| Face | 178,351 |
| Iris | 167,686 |
| Palm | 20,902 |

| Period | Stored Identities |
|---------|-------------------|
| FY 2011 | 133,537 |
| To-Date | 3,259,011 |

| Encounter Matches by Modalities | FY 2011 |
|---------------------------------|---------|
| Finger | 97,687 |
| Face | 1,050 |
| Iris | 4,556 |
| Finger and Face | 7,117 |
| Finger and Iris | 82,132 |
| Face and Iris | 1,460 |
| Face, Finger, Iris | 54,591 |
| Fusion | 364 |
| Total | 248,957 |

| Period | Total Identities Matched |
|---------|--------------------------|
| FY 2011 | 101,448 |
| To-Date | 1,728,012 |

| Average Auto Response | Mins | Requirement Mins |
|-----------------------|------|------------------|
| Priority 1 | 4.02 | 5.00 |
| Priority 2 | 4.31 | 30.00 |
| Priority 3 | 3.18 | 60.00 |
| Priority 4 | 2.58 | 240.00 |

| Period | Total Encounters Matched |
|---------|--------------------------|
| FY 2011 | 248,957 |
| To-Date | 1,986,326 |

| DoD ABIS Service Availability | % |
|-------------------------------|-------|
| Without planned downtime | 99.61 |
| With planned downtime | 98.79 |



Near Term Capabilities

- Continue to pursue enrollments from Warfighter collections and foreign partnerships
- Accelerate expansion of capability to ingest and store
- Establish robust COOP
- Utilize advanced Identix software for highly proficient processing



Mid-Term Capabilities

- Improve Biometrically Enabled Watchlist functionality
- Automate system interoperability to eliminate “sneakernet” and other workarounds
- Support S&T development to inform both quick reaction capabilities and deliberate acquisition
- Archive voice collections for future matching
- Fulfill requirements of:
 - System Sustainment
 - EBTS Compliance
 - System Interoperability
 - Disaster Recover ABIS Relocation
 - Case Management Tools
 - Voice Collection Archive System
 - Operator & User-level Maintenance



Fingerprint



Iris



Face



Palm Print

Fusion

DoD ABIS POR Capabilities

- Achieve performance enhancements and savings through deliberate technology insertions
- Implement requirements for Warfighter and Interagency support
- Net-readiness to fully support the execution of joint critical operational activities and information exchanges
- Support peak capacity to receive and process approximately 50,000 biometric submissions daily
- Increased storage capacity for up to 300 million biometrics DoD EBTS full enrollment files

Biometric Automated Toolset – Army Revised (BAT-AR)

Ms. Maggi Patton
Product Director, TBS
PM DoD Biometrics

Margaret.Patton1@us.army.mil

BLUF: Why BAT-AR?

- Impart sustainability, Increase productivity
- Ensure future operations
- Support projected growth
- Improve resource efficiency
- Improve our ability to share biometric signatures with coalition partners and host nations
- Provide latent matching while the subject is still in hand
- Inform the JPIv2 PoR process

Situation

- Problem

- BAT-A software is difficult and costly to modify due to rigid & outdated design – low productivity
- Projected enrollment growth/ingest will overwhelm BAT-A
 - BAT servers not spec'd to meet ABIS-like processing needs
- Inefficient parallel development of biometrics systems (BAT, BISA) w/ functional overlap

- Opportunity

- New emphasis on improved comms to the tactical edge
- Nearing final stages of acquisition of improved handheld devices
- Cost Avoidance

- Program of Record (JPI) not scheduled to deliver until **2014**

Warfighter Needs Improvements Now!

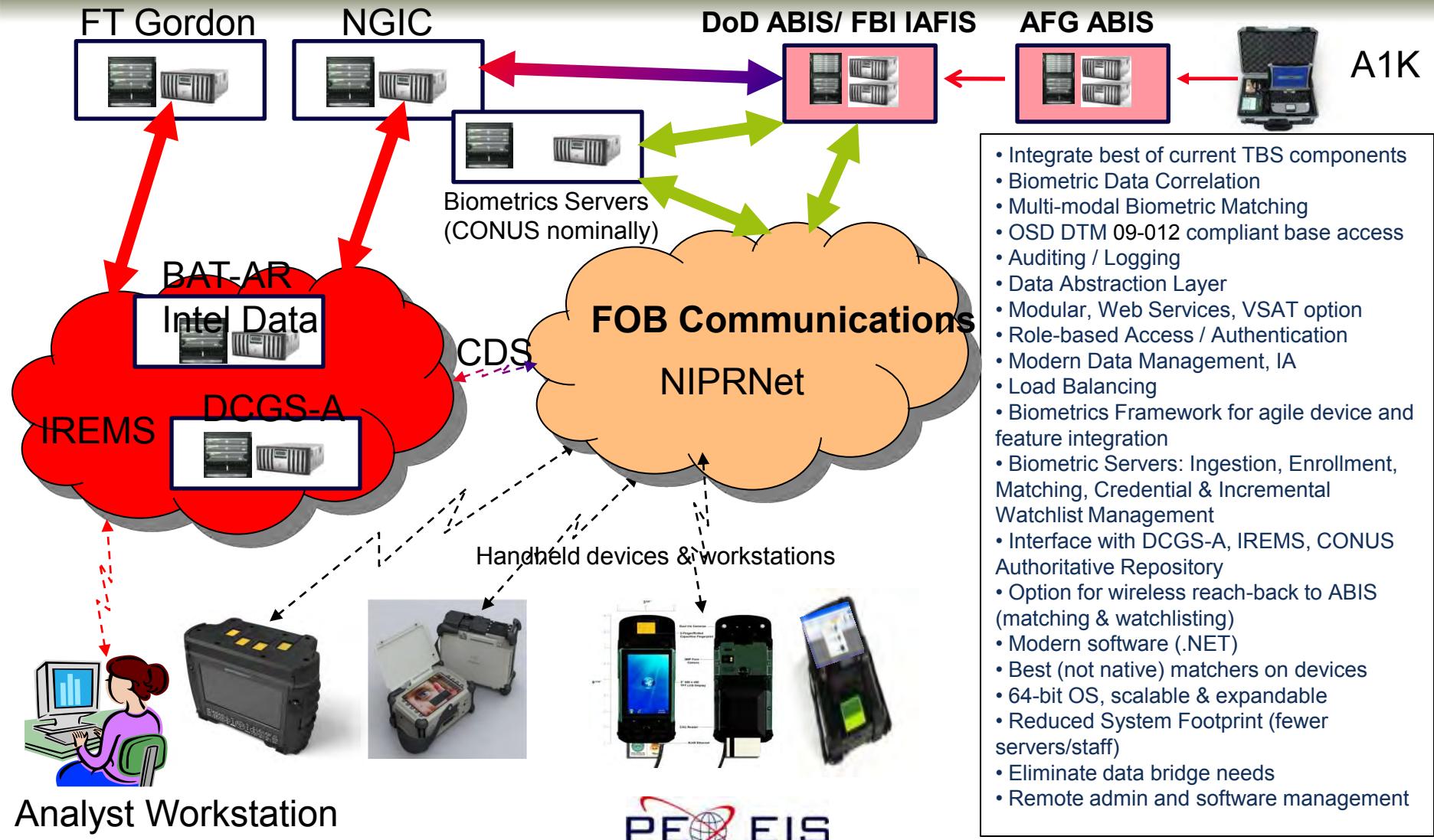
More Background Details

- GIRQA/NTM-A acquiring 1000 CrossMatch Jumpkits and 1000 Afghani enrollers (A1K)
- HIIDE devices cannot handle the current Afghan WL size (~30K records)
- Expedient BAT-A design is currently unsustainable even without A1K – cannot timely meet needs or scale to ingest A1K enrollments
 - Software (SW) architecture is rigid, tightly coupled, painful to take apart & comprehend (analogy: Legos glued together) – leads to long and defect-prone feature development
 - SW based on obsolete 32-bit architecture -- limits performance and design choices
 - SW is mostly written in an archaic, slow language and obsolete supporting platform – difficult to find coder skillset when everyone else has moved on
 - Database is not cleanly separated from other functions, inhibiting changes needed for IA, performance, & tech refresh
 - Matching algorithms and engines need revamp due to IA and performance
- New urgent tactical biometrics needs continue to emerge, increasing sustainment pressure
- PM's Guidance
 - Redesign to BAT-A CPD and other existing QRC requirements documents
 - Include full base access capabilities to support BISA retirement without loss of functionality
 - Assist TCM-BF in updating BAT-A CPD to incorporate requirements from other sources
 - Use the opportunity to inform JPIv2

Ground Rules & Assumptions

- Afghani enrollments a small impact to watchlist growth
 - Other contributors to BEWL growth are more significant (see NGIC BEWL analysis)
- Warfighter wants actionable information
- Could be additional enrollment targets after 2012
- Handle biometric data and actionable information at the unclassified level to support sharing with coalition and host nation partners & comply with minimize-classification directives
- Desirable to share biometric data with coalition and host nation partners
- Continue current BAT BEI role on BAT-AR until able to handoff to MI
- Need a VSAT option for global areas lacking sufficient comms

Notional BAT-AR AV-1



Next Steps

- Generate updated BAT capabilities document
- Validate shift in resources and requirement analysis
- Adjust cost/schedule ROMs if necessary
- Map work to existing contracts
- Define detailed architecture
- Apply reusable components
- Confirm new code requirements
- Revise capability packages

The Architecture

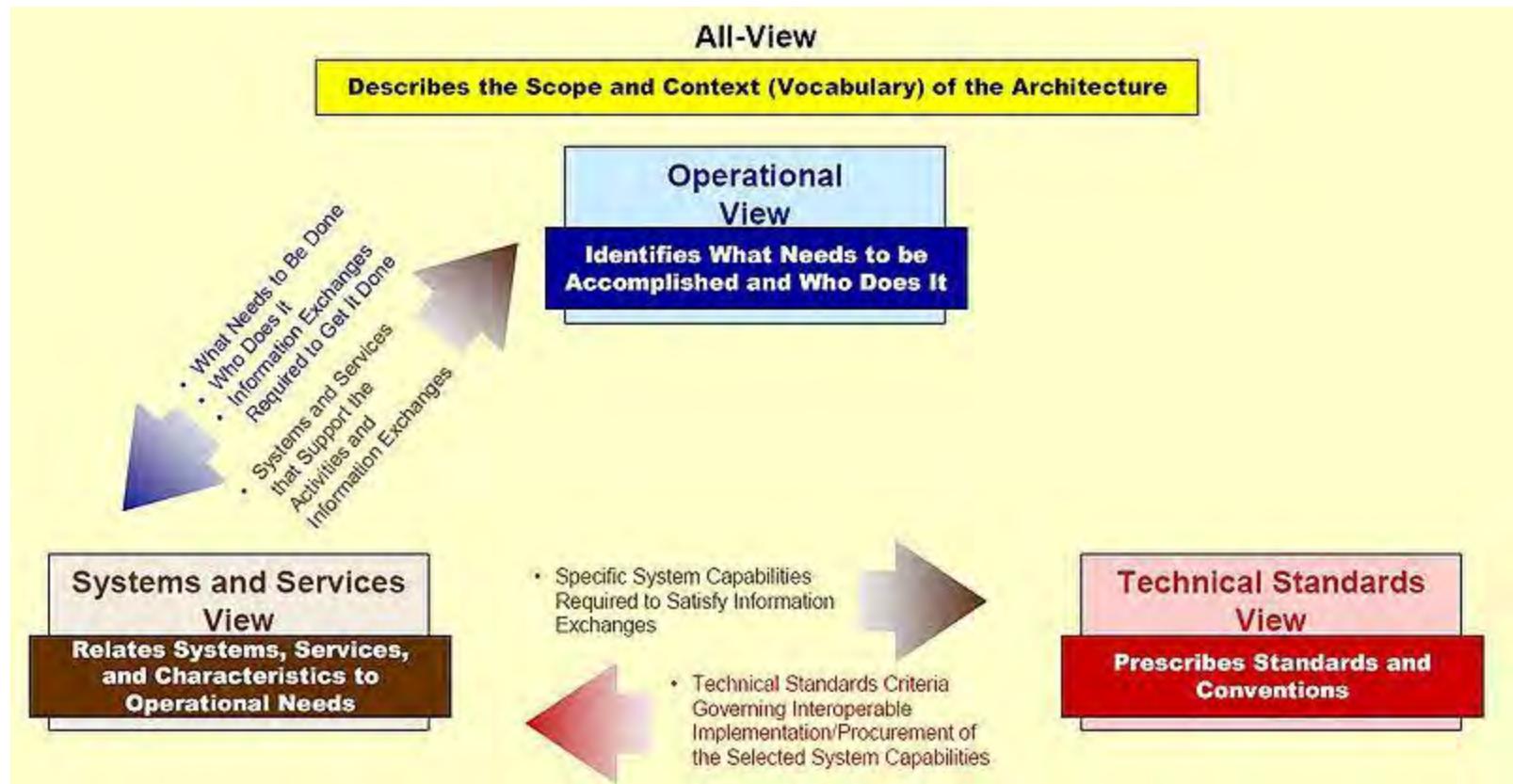
Dr. Aleksandar Lazarevich

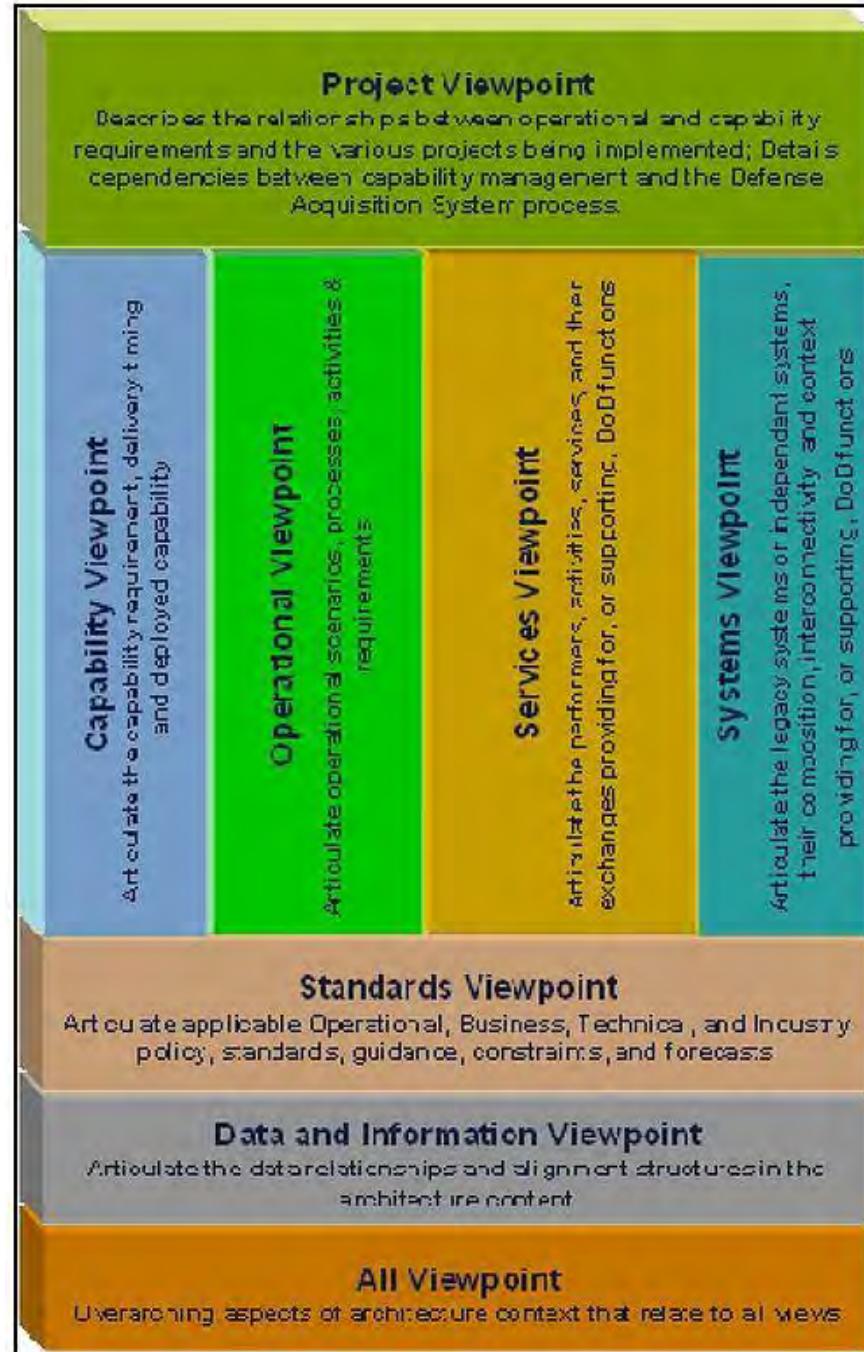
Chief Engineer

PM DoD Biometrics

Aleksandar.Lazarevich@us.army.mil



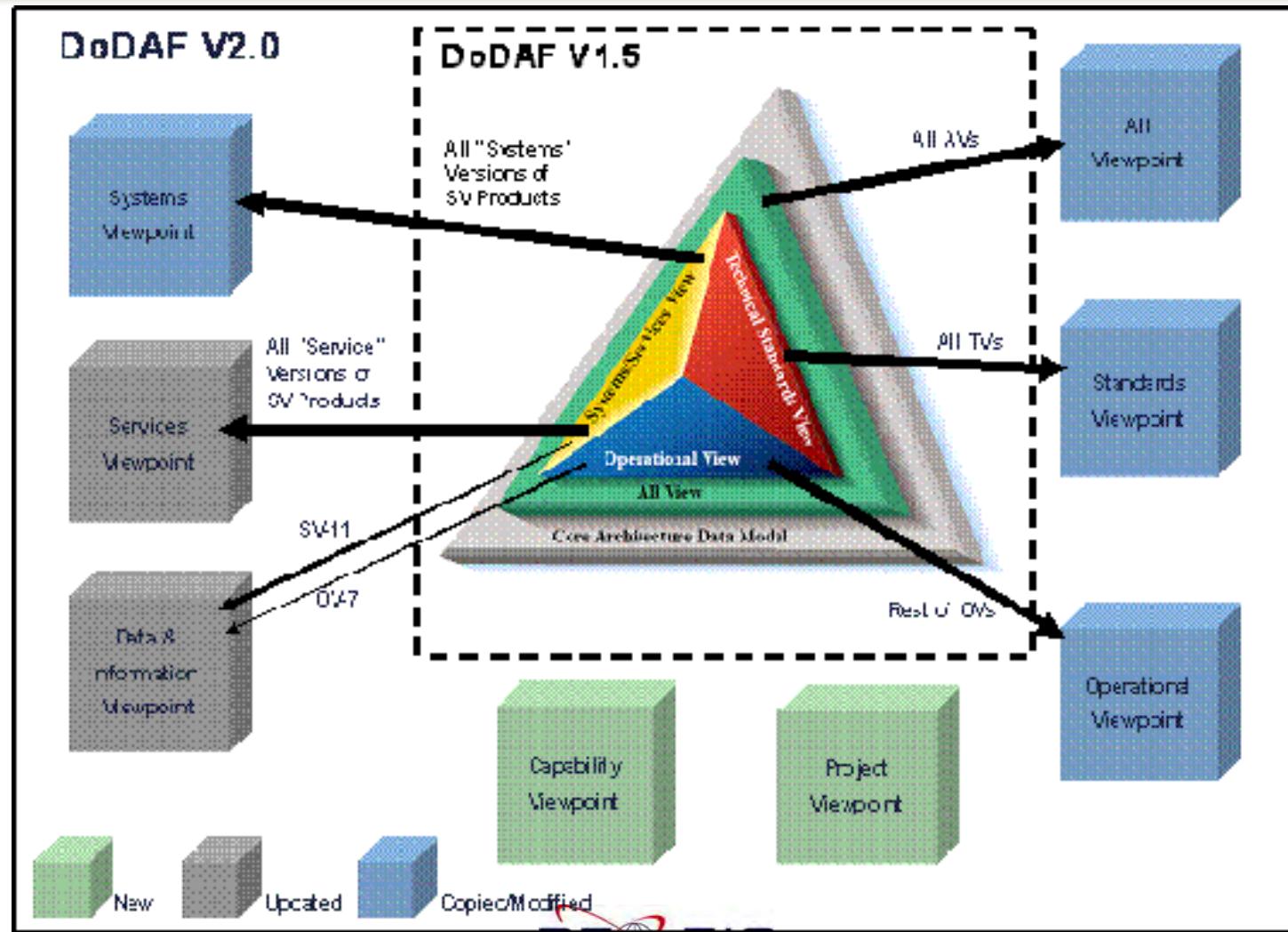




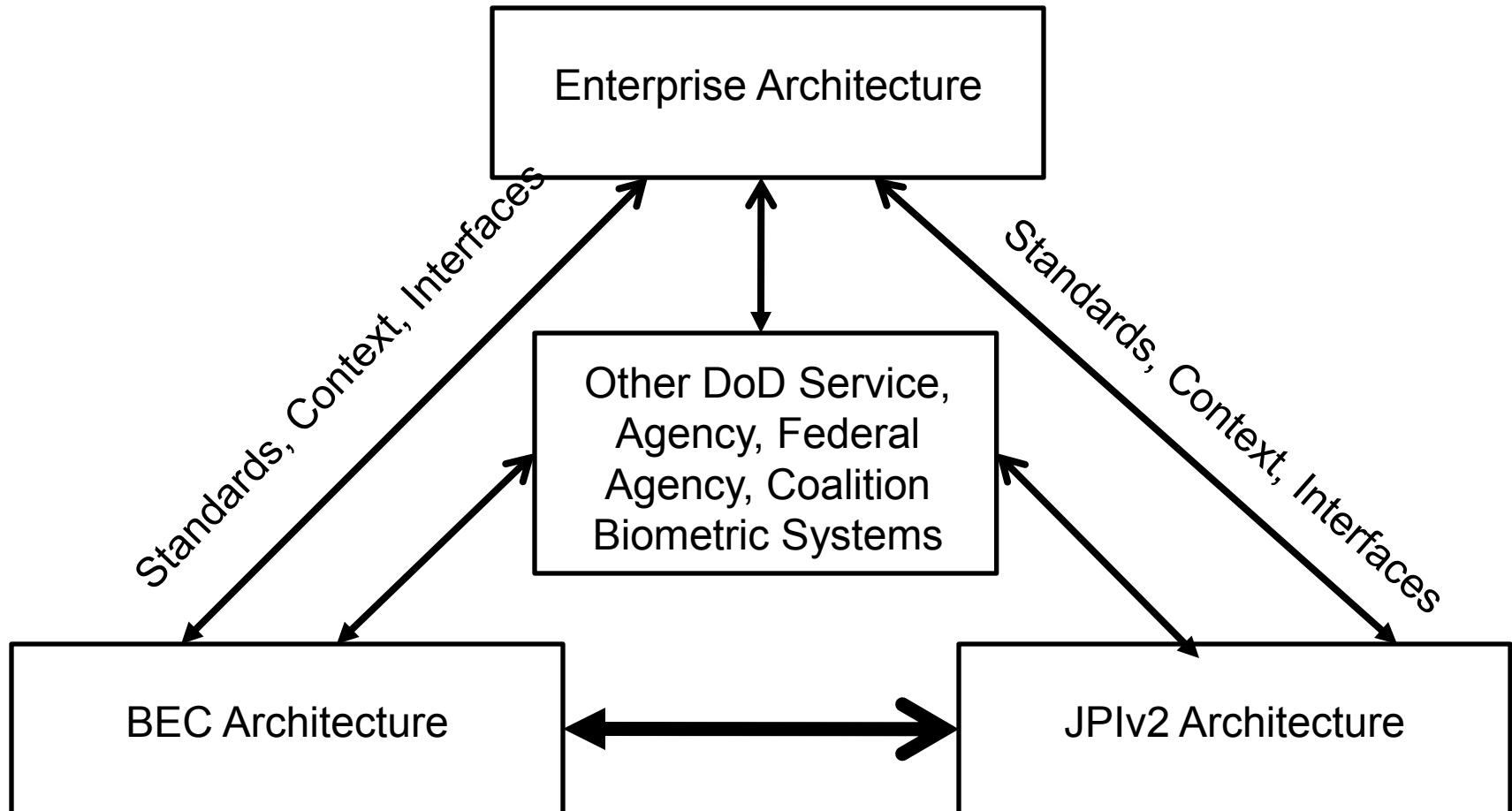
DoDAF Viewpoints



Transition



PoR Relationships



Questions



BACKUP SLIDES



DoD ABIS

- Overview
- Status:
 - ADM (MDA may be delegated from OSD to HQDA for FDD)
 - Status of CPD
 - Status of CPD
- Success of QRC
- Lessons Learned from QRC
- Highlights for POR
- BEI-ICD
- IT Box



DoD Next Generation-ABIS 1.0

Program Description

Objective: The fundamental purpose of Department of Defense Automated Biometric Identification System (DoD-ABIS) is to store, match, and share national biometric resources for adversary (red force) and neutral/unknown/non-aligned (gray force) population groups across the full range of military operations. The system is maintained and protected as a national asset.

Value to the Warfighter: The system provides a central collection repository as the biometrics enterprise authoritative data source in a currently fielded system-of-systems approach to a distributed biometrics capability in support of Operation Enduring Freedom (OEF)/ Operation Iraqi Freedom (OIF).

Capabilities Supported



Fingerprint



Iris



Face



Palm Print

Fusion

Program Schedule

- 29 Jan 2009 NG-ABIS Go Live
 - Over 5.1 Million distinct submissions
 - 99.54% availability
- Winter 2011 Transaction Manager Integration
- Winter 2011 Master Recovery System Implementation

Challenges and Issues

Challenges:

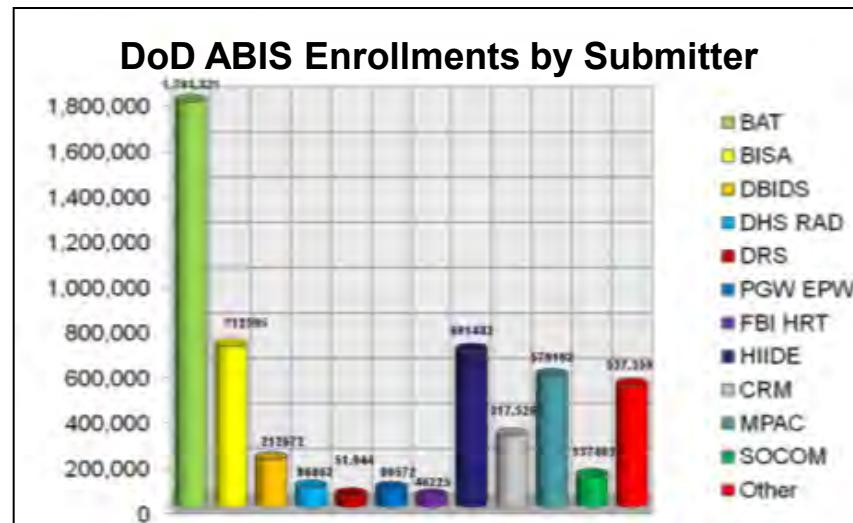
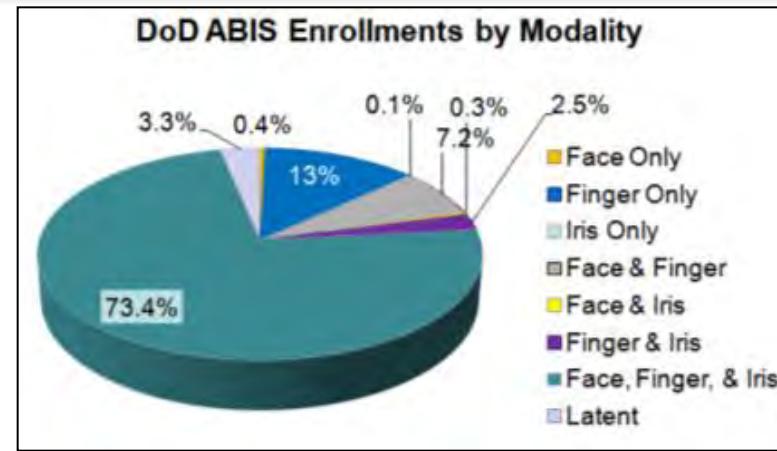
- Maintain high availability and security while enhancing system
- Transition from QRC to POR

Issues:

- BTF-W Power/Circuits
- Expanding Mission Requirements

DOD ABIS Data

- 5.1M records
- 120k latent fingerprints
- 153k watchlisted individuals
- Most collections from Iraq (49%), but concentrated collection effort underway in Afghanistan (18%)
- 84.5% of records are multimodal
 - 73% contain face, finger, and iris
 - Only 13% are single modality; mostly from digitized fingerprint cards
- Compliant with data standards

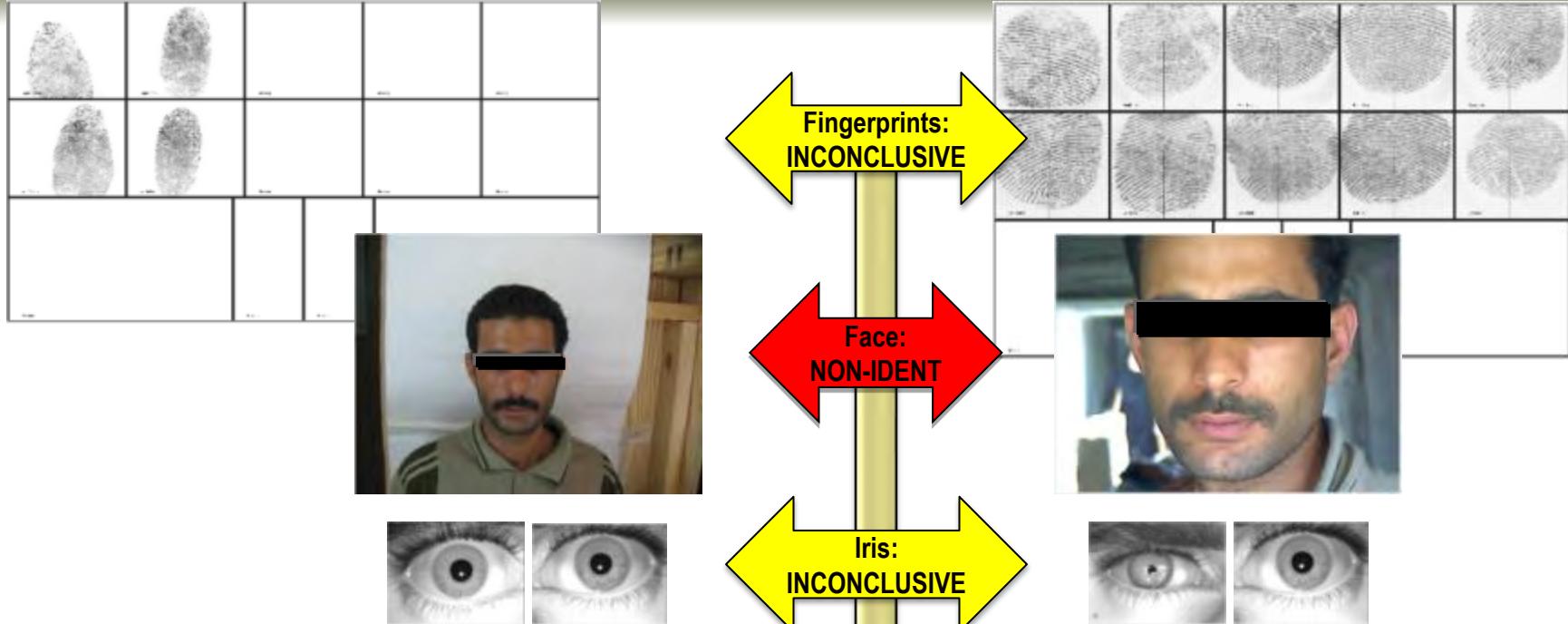


Capability Development Strategy



Current prototype systems (e.g., ABIS, BAT) will transition to formal acquisition programs (BEC, JPIv2) in 2012

Fusion Matching



In this example, no single modality scored high enough to return a match.

The fusion algorithm combined near matches to identify the individual.

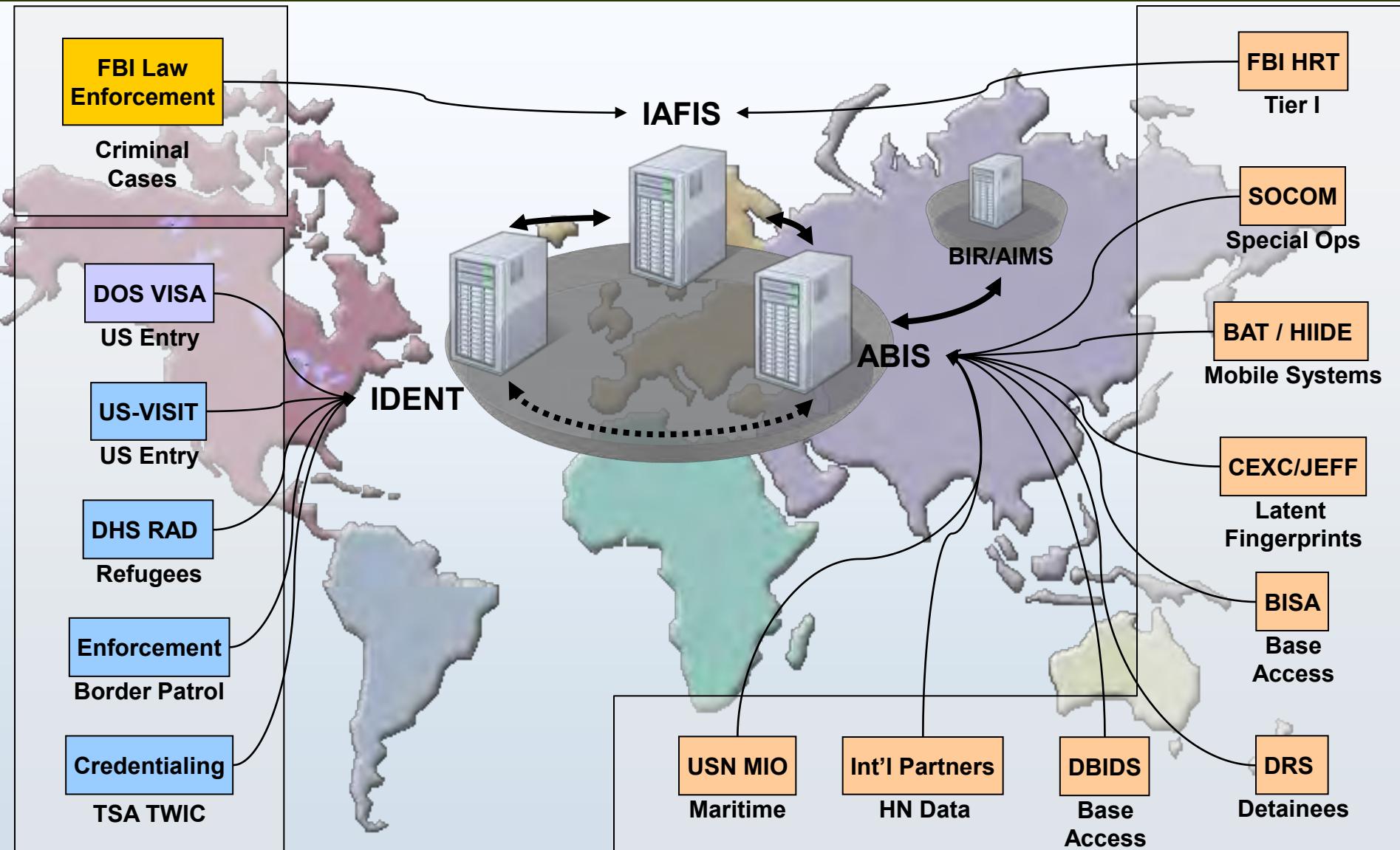
Interagency Data Sharing

| Program | Submission Method | Gallery Retention | Avg. Monthly Enrollments |
|--|---|-------------------|--------------------------|
| DHS CBP / OBP (FTP established once ISA/MOA established.) | Email/FTP/SOF NIPR | Yes | 144 |
| DHS USVISIT ASYLUM | CD-R/email to Interface | No | 80 |
| REFUGEE AFFAIRS | Email/CD-R | Yes | 2100 |
| DHS USCG | Email via US-VISIT to Interface/CD-R | No | 177 |
| USCG-JQCP (Test in Progress) | Using JSOC assets to ABIS/IAFIS/IDENT | No | N/A |
| DHS ICE | (BITMAP) email to SOF NIPR portal ABIS/CJIS/IDENT | Yes | 233 |

Interagency Data Sharing

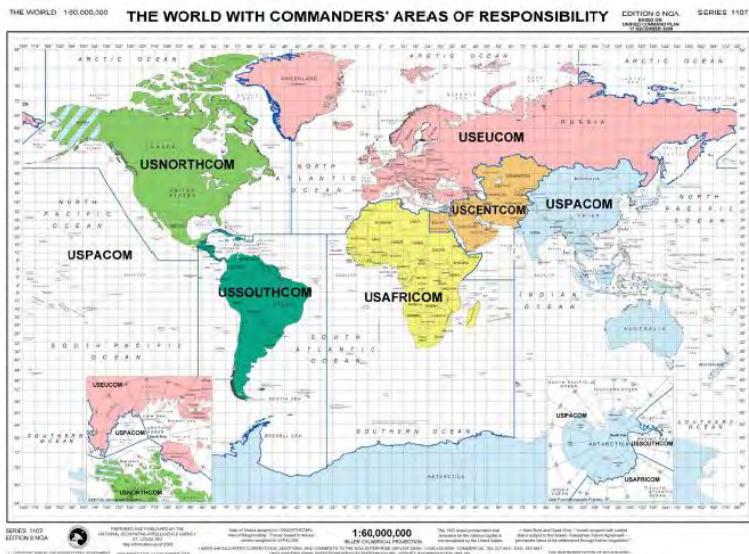
| Program | Submission Method | Gallery Retention | Avg. Monthly Enrollments |
|---|-------------------------|-------------------|--------------------------|
| FBI Special Stops (SIU) | Email to interface/CD-R | Yes | 48 |
| FBI HRT (GIU) (QCP) | Email to ABIS | Yes | 1274 |
| DOS IRIS (IRIS Pilot evolving from Iris only to Multi-modal submissions/vetting at US Embassies.) | Email to ABIS | Yes | 126 |
| DOS DSS (pilot) (Small DOS program / Diplomatic Security Service. Scanned hard cards sent to FTP, BES Team pulls from FTP) | FTP/email to ABIS | Yes | 1 |

Interagency Operational View

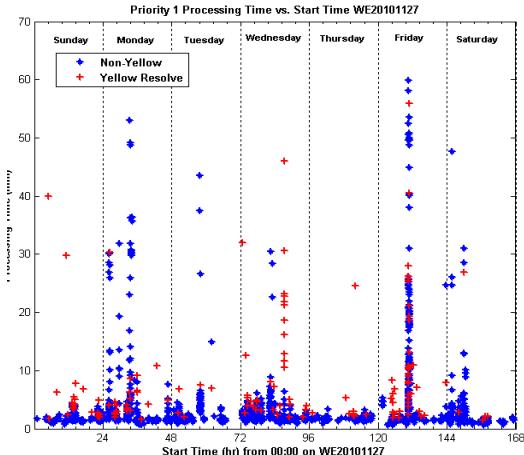
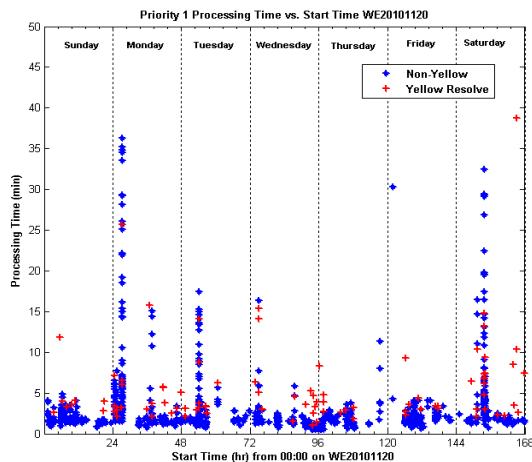
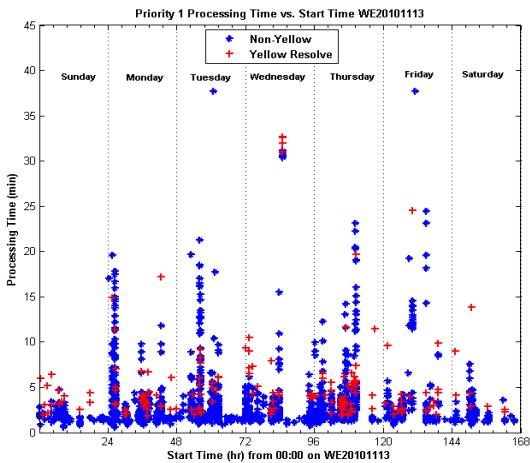
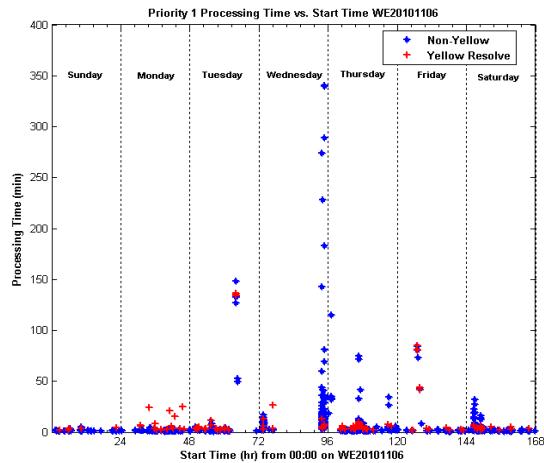


OSD PSA Priorities

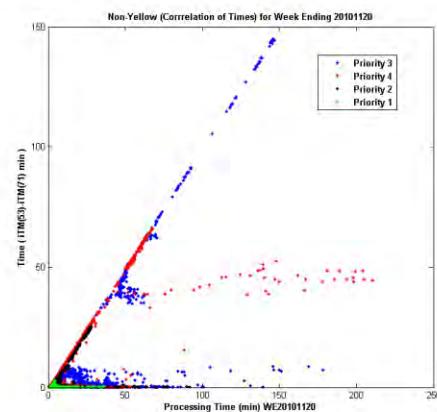
- Afghanistan
 - Enhance biometrics/forensics capabilities
 - Support CJIAF-435
 - Satisfy JUONs
 - Develop GIROA capabilities
- Institutionalize the capability
 - Requirements, Programs, Resources
 - Full DOTMLPF considerations
 - End-to-end approach across the enterprise
- Global application of Biometrics technologies to support COCOM missions
 - International / Interagency sharing arrangements
 - Consistent with varying HN policies
- Seamless interoperability with the interagency
 - Data Sharing
 - Technology Development
 - Operations



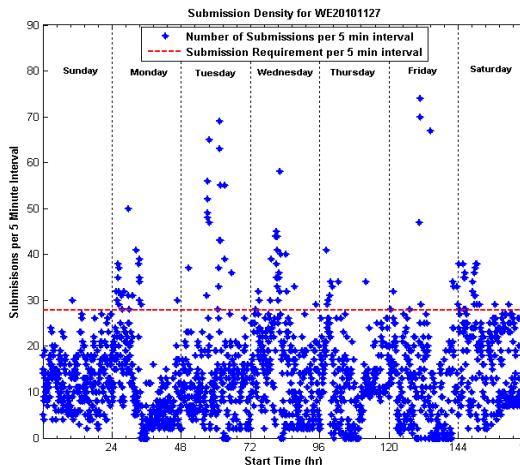
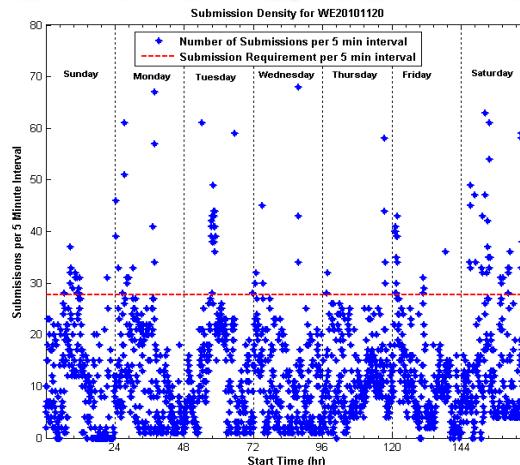
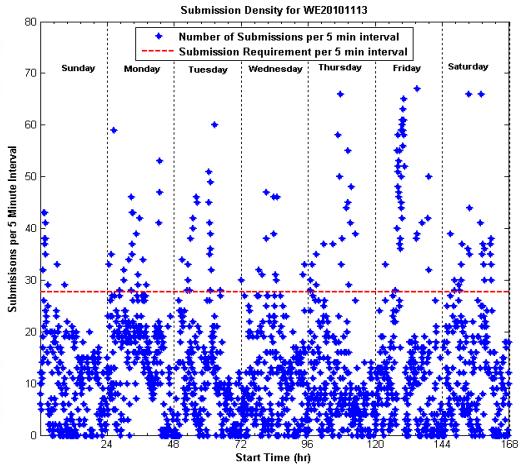
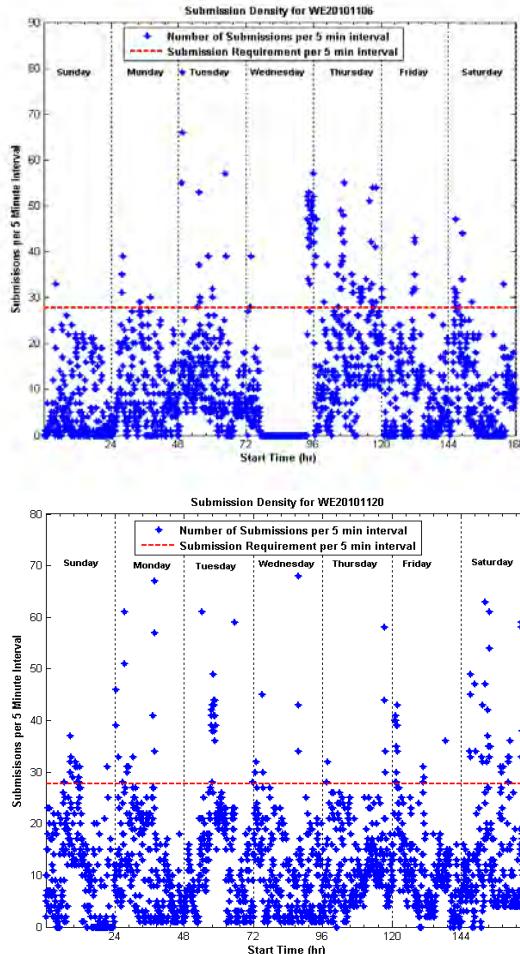
High Submission Density



- The four charts to the left show the total processing time for each priority 1 submission as a function of the start time
- The density of the markers indicates that the large number of submissions is correlated to the increase in processing time
- The angular lines for the Yellow Resolves are a normal occurrence as the Examiners work off the Yellow Resolve backlog
- The figure below is the correlation between processing time and the time to generate the response file
- The single threaded architecture of the iTM in generating response files is the major cause of long processing times when there are many submissions in a short period of time



Submission Density Sample



- The charts show the number of submissions in each 5 minute interval for 4 weeks in November
- The red dash line represents 27.8 submissions per 5 minute interval which is derived from the requirement of 8,000 submissions per day
- Blue markers above the red dash line indicates a submission rate that exceeds the requirement
- High submission rates have an effect on processing times because the generation of response files by the iTM is single threaded

TDA Required / Future Vision

| TRADOC Capability Manager for Biometrics and Forensics (TCM-BF) | Civilian | | Military | |
|---|-----------------|-------------|-----------------|-------------|
| | Req | Auth | Req | Auth |
| Director, O-6 | | | 1 | |
| Deputy Director, GG 15 | 1 | | | |
| NCOIC, E-8 | | | 1 | |
| Systems Development, MOS 51A, O-4 | | | 1 | |
| Operations Management, GG12 | 1 | | | |
| Operations Management NCOIC, E-8 | | | 1 | |
| Specialist, Personnel Management, GG12 | 1 | | | |
| Specialist, Logistics Management, GG12 | 1 | | | |
| Management Support Assistant, GG09 | 1 | | | |
| COCOMs Support/LNOs (6 major COCOMs), GG12 | 6 | | | |
| Center of Excellence Support /LNOs (10 USA CoEs), GG12 | 10 | | | |
| Department of Defense Services Support/LNOs (4 Services separating Navy and Marine Corp), GG12 | 4 | | | |
| Higher Headquarters, Army Support/LNOs (HQDA and TRADOC), GG12 | 3 | | | |
| BEI/FEI Coordinator, GG14 | 1 | | | |
| MFLT Division Chief, GG14 | 1 | | | |
| Officer, MFLT Deputy Division Chief, O1A, O4 | | | 1 | |
| Research Specialist – MFLT Capability Developer, GG13 | 1 | | | |
| Research Specialist – MFLT Capability Developer, GG12 | 1 | | | |
| Biometrics Division Chief, GG14 | 1 | | | |
| Officer, Biometrics Deputy Division Chief, O1A, O4 | | | 1 | |
| Research Specialist – Biometrics (Requirements Analyst/SME) GG13 | 6 | | | |
| Research Specialist – Biometrics (DT&E/SME) GG12 | 3 | | | |
| BEI Integrator/Planner, GG13 | 1 | | | |
| BEI Requirements Analyst/Developer/Writer, GG12 | 1 | | | |
| Forensics Division Chief, GG14 | 1 | | | |
| Officer, Forensics Deputy Division Chief, O1A, O4 | | | 1 | |
| Forensics Doc, Training, and Education, GG13 | 1 | | | |
| Forensics RDT&E, GG12 | 1 | | | |
| Forensics Architecture, GG12 | 1 | | | |
| Forensics Operations, GG12 | 1 | | | |
| Forensics Knowledge Management, GG12 | 1 | | | |
| FEI Integrator/Planner, GG13 | 1 | | | |
| FEI Requirements Analyst/Developer/Writer, GG12 | 1 | | | |
| CHART TOTALS | 52 | | 7 | |

24 total LNOs with subject matter experience

13 total to support Biometric efforts

Biometrics Requirements Request Form

| Date | Requirement Title | BRIC Tracking BRR# | PM Tracking CCR# |
|---|---------------------|--------------------------|------------------------------|
| | | | |
| CONTACT INFORMATION | | | |
| Government Primary Sponsor's Name/Organization/Location | Email Address | Phone Number | |
| | | | |
| Secondary Sponsor's Name/Organization/Location | Email Address | Phone Number | |
| | | | |
| Support Point of Contact Name/Organization/Location | Email Address | Phone Number | |
| | | | |
| REQUIREMENT SPECIFICS | | | |
| Priority of Requirement | Classification | Attachments | |
| 1-Emergency | 0-Mandated | <input type="checkbox"/> | Yes <input type="checkbox"/> |
| 2-Critical | 1-New Functionality | <input type="checkbox"/> | No <input type="checkbox"/> |
| 3-Major | 2-Enhancement | <input type="checkbox"/> | |
| 4-Minor | 3-Latent Defect | <input type="checkbox"/> | |
| Attachment Name 1 | | | |
| Attachment Name 2 | | | |
| Desired Completion Date | | | |
| Problem Description / Background | | | |
| Current Work Around: | | | |
| Requirement: | | | |
| Recommended Solution: | | | |
| Stakeholders / Users Affected: | | | |

| TCM-BF INFORMATION | | | |
|---|-----------------------------|--|----------------------|
| Date TCM-BF Received | | Completion/Closureout Date | |
| POC | | Email Address | Phone # |
| | | | |
| Validated: Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> | BRIC Validation Date |
| Joint: Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> | BRIC Voted Priority |
| STATUS SUMMARY / TIMELINE | | | |
| Scoping Working Group Held Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Date Held | | | |
| PM BIOMETRICS PRE-BRIC ANALYSIS | | | |
| Date PM Received | | Date Returned to TCM-BF | |
| POC | | Email Address | Phone # |
| | | | |
| Recommended Priority | | Recommended Classification | |
| 1- Emergency <input type="checkbox"/> | NA <input type="checkbox"/> | 0-Mandated <input type="checkbox"/> | |
| 2- Critical <input type="checkbox"/> | | 1-New Functionality <input type="checkbox"/> | |
| 3- Major <input type="checkbox"/> | | 2-Enhancement <input type="checkbox"/> | |
| 4- Minor <input type="checkbox"/> | | 3-Latent Defect <input type="checkbox"/> | |
| Recommended Requirement Verbiage Change | | | |
| Additional Comments / Requirement Dependencies | | | |

BRIC Prioritized Requirements List – Army

As of 22DEC10

ARMY VALIDATED REQUIREMENTS

| TRACKING NUMBER | PRIORITY | CRITICALITY | REQUIREMENT |
|-----------------|----------|-------------|--|
| 20100600079 | 1 | EMERGENCY | CX-I to SIPR Overwrite Prevention |
| 20100900084 | 2 | EMERGENCY | EFT Export to GOI |
| 20090200035 | 3 | EMERGENCY | BAT Palm Print |
| 20090100006 | 4 | CRITICAL | Classification Marking |
| 20090100001v2 | 5 | CRITICAL | Merged Logical Dossier View |
| 20091100066v2 | 6 | CRITICAL | BAT-A Utilize Tactical Radio Networks |
| 20100500078 | 7 | CRITICAL | BAT Thin Client Vista Compatible |
| 20090100002v2 | 8 | CRITICAL | BAT Client History |
| 20090100004v2 | 9 | CRITICAL | Enhanced Prioritized ID Search |
| 20090800061a | 10 | CRITICAL | International Sharing-Canadian Caveats |
| 20090100003v2 | 11 | CRITICAL | Updating Biometrics during ID |
| 20090100005v2 | 12 | CRITICAL | Hot Sync |
| 20090100007v2 | 13 | CRITICAL | Improved Search Tool |
| 20090100008 | 14 | CRITICAL | Match Results Feedback Loop to User |
| 20090100009 | 15 | CRITICAL | Watchlisting |
| 20090100012 | 16 | CRITICAL | BAT Services and Data Exchange Standard |
| 20100100073 | 17 | CRITICAL | BIMA Ingest into BAT-A |
| 20100100072 | 18 | CRITICAL | BDCS Ingest into BAT-A |
| 20100300074 | 19 | CRITICAL | BAT Iris Raw Image Template Generation |
| 20100800082 | 20 | CRITICAL | BAT Interoperability |
| 20100900084 | 21 | CRITICAL | EFT Export to GOI |
| 20100800085 | 22 | CRITICAL | ABIS Bulk Ingest |
| 20090100015 | 23 | MAJOR | Voice Templating & Matching Implementation |
| 20090100015 | 24 | MAJOR | BAT Indexing / Free-Text Search Capability |
| 20090100016 | 25 | MAJOR | ID from Dossier |
| 20090100018 | 26 | MAJOR | Per-node Settings |
| 20090100020 | 27 | MAJOR | Node Relationship Metrics |
| 20090100021 | 28 | MAJOR | Mug Book and Lineups |
| 20090100022 | 29 | MAJOR | US Persons Marking |
| 20090100023 | 30 | MAJOR | Detention Data in BAT Dossier |
| 20090100025v2 | 31 | MAJOR | Reporting Enhancements |
| 20090100026 | 32 | MAJOR | Improved DSS Logging |
| 20090100027 | 33 | MAJOR | Axis Pro |
| 20090200036 | 34 | MAJOR | BAT Training Database |
| 20100700081 | 35 | MAJOR | Auto BDF Size Creation |
| 20100700080 | 36 | MAJOR | BAT VMWare Implementation |
| 20090100028 | 37 | MINOR | Height & Weight / English & Metric |
| 20090200055 | 38 | MINOR | PCASS Entry |

BRIC Prioritized Requirements List - Joint

As of 22DEC10

| ARMY VALIDATED JOINT REQUIREMENTS | | | |
|--|-----------------|--------------------|--|
| TRACKING NUMBER | PRIORITY | CRITICALITY | REQUIREMENT |
| 20091000064 | | CRITICAL | DSS Usage Scheduler |
| 20100400076 | | CRITICAL | Rapid Site Exploitation Information Exchange Portal |
| 20090200031 | | MAJOR | MatchML Standard |
| 20090200032 | | MAJOR | Best of Templates |
| 20090200033 | | MAJOR | Collection Devices w/GPS |
| 20091200068 | | MAJOR | System Agnostic Template Ingestion and Dissemination |
| | | | |
| MANDATED REQUIREMENTS (Class 0) | | | |
| TRACKING NUMBER | PRIORITY | CRITICALITY | REQUIREMENT |
| 20091100065 | TRACKING | | SPOT |
| | | | |
| | | | |
| | | | |

TDA Required / Future Vision

| | TRADOC Capability Manager for Biometrics and Forensics (TCM-BF) | Civilian | | Military | |
|-----------|--|-----------|------|----------|------|
| | | Req | Auth | Req | Auth |
| Cmd Grp | Director, O-6 | | | 1 | |
| | Deputy Director, GG 15 | 1 | | | |
| Ops | NCOIC, E-8 | | | 1 | |
| | Systems Development, O-4, MOS 51A | | | 1 | |
| | Operations Management, GG12 | 1 | | | |
| | Operations Management NCOIC, E-8 | | | 1 | |
| | Specialist, Personnel Management, GG12 | 1 | | | |
| | Specialist, Logistics Management, GG12 | 1 | | | |
| | Management Support Assistant, GG09 | 1 | | | |
| | COCOMs Support/LNOs (6 major COCOMs), GG12 | 6 | | | |
| LNOs | Center of Excellence Support /LNOs (10 USA CoEs), GG12 | 10 | | | |
| | Department of Defense Services Support/LNOs (4 Services separating Navy and Marine Corp), GG12 | 4 | | | |
| | Higher Headquarters, Army Support/LNOs (HQDA and TRADOC) GG12 | 3 | | | |
| | BEI/FEI Coordinator, GG14 | 1 | | | |
| MFLT | MFLT Division Chief, GG14 | 1 | | | |
| | Officer, MFLT Deputy Division Chief, O1A, O4 | | | 1 | |
| | Research Specialist – MFLT Capability Developer, GG13 | 1 | | | |
| | Research Specialist – MFLT Capability Developer, GG12 | 1 | | | |
| Biometric | Biometrics Division Chief, GG14 | 1 | | | |
| | Officer, Biometrics Deputy Division Chief, O1A, O4 | | | 1 | |
| | Research Specialist – Biometrics (Requirements Analyst/SME) GG13 | 6 | | | |
| | Research Specialist – Biometrics (DT&E/SME) GG12 | 3 | | | |
| | BEI Integrator/Planner, GG13 | 1 | | | |
| | BEI Requirements Analyst/Developer/Writer, GG12 | 1 | | | |
| Forensics | Forensics Division Chief, GG14 | 1 | | | |
| | Officer, Forensics Deputy Division Chief, O4 | | | 1 | |
| | Forensics Doc, Training, and Education, GG13 | 1 | | | |
| | Forensics RDT&E, GG12 | 1 | | | |
| | Forensics Architecture, GG12 | 1 | | | |
| | Forensics Operations, GG12 | 1 | | | |
| | Forensics Knowledge Management, GG12 | 1 | | | |
| | FEI Integrator/Planner, GG13 | 1 | | | |
| | FEI Requirements Analyst/Developer/Writer, GG12 | 1 | | | |
| | CHART TOTALS | 52 | | 7 | |